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Advanced Keyword Query for: dipeptidyl peptidase IV

1 2 3 4 5 6 7

☒ 2i03



Crystal structure of human dipeptidyl peptidase 4 (DPP IV) with potent alkynyl cyanopyrrolidine (ABT-279)

Release Date: 12-Dec-2006 Exp. Method:

Resolution: 2.40 Å

Characteristics

Classification

Hydrolase

Compound

Polymer: 1 Molecule: Dipeptidyl peptidase IV

Chains: A,B,C,D EC no.: 3.4.14.5

Authors

Longenecker, K.L., Madar, D.J.

☒ 1wcy



Crystal Structure Of Human Dipeptidyl Peptidase IV (DPP IV) Complex With Diprotin A

Release Date: 07-May-2005 Exp. Method:

Resolution: 2.20 Å

Characteristics

Classification

Hydrolase

Compound

Polymer: 1 Molecule: Dipeptidyl peptidase IV
 Fragment: residues 33-772 Chains: A,B

no.: 3.4.14.5

Polymer: 2 Molecule: Diprotin A Chains

Polymer: 3 Molecule: SUGAR (2-MER)

Polymer: 5 Molecule: SUGAR (2-MER)

Authors

Hiramatsu, H., Yamamoto, A., Kyo, K., Higashiyama, Y., Fukushima, C. H., Sugiyama, S., Inaka, K., Shimizu, T.

☒ 2opn

















Human dipeptidyl peptidase IV in complex with an alpha amino acid inhibitor

Release Date: 08-May-2007 Exp. Method:

Resolution: 2.40 Å

Characteristics

| | | |
|---|------------------------|--|
|  | Classification | Hydrolase |
|  | Compound | <p>Polymer: 1 Molecule: Dipeptidyl peptidase form Fragment: EXTRACELLULAR DO</p> <p>Mutation: T39S Chains: A,B EC no.: 3.4.14.5</p> <p>Polymer: 2 Molecule: SUGAR (2-MER)</p> <p>Polymer: 4 Molecule: SODIUM ION</p> <p>Polymer: 5 Molecule: N-(TRANS-4-[(1S)-3-[(3S)-3-FLUOROPYRROLIDIN-1-YL]-3-OXOPROPYL]CYCLOHEXYL)-N-METHYLACETAMIDE</p> |
| | Authors | Scapin, G., Weber, A.E., Duffy, J.L. |
|  | |  Structure of DPPIV in complex with an inhibitor |
|  | Characteristics | Release Date: 18-Mar-2008 Exp. Method: Resolution: 2.90 Å |
|  | Classification | Hydrolase |
| | Compound | <p>Polymer: 1 Molecule: Dipeptidyl peptidase</p> <p>Chains: A EC no.: 3.4.14.5</p> <p>Polymer: 2 Molecule: SUGAR (4-MER)</p> <p>Polymer: 3 Molecule: SUGAR (2-MER)</p> |
| | Authors | Qiu, X. |
|  | |  Crystal structure of rat dipeptidyl peptidase (DPPIV) with thiazole-based peptide mimetic #31 |
|  | Characteristics | Release Date: 27-Feb-2007 Exp. Method: Resolution: 3.00 Å |
|  | Classification | Hydrolase |
| | Compound | <p>Polymer: 1 Molecule: Dipeptidyl peptidase Fragment: Soluble form: Residues 37-7</p> <p>Chains: A,B EC no.: 3.4.14.5</p> |
| | Authors | Longenecker, K.L., Shuai, Q., Patel, J., Wiedeman, P. |
|  | |  Human dipeptidyl peptidase 4 in complex with a diazepam-2-one inhibitor |
|  | Characteristics | Release Date: 28-Nov-2006 Exp. Method: Resolution: 2.35 Å |
|  | Classification | Hydrolase |
| | Compound | <p>Polymer: 1 Molecule: Dipeptidyl peptidase form Fragment: EXTRACELLULAR DO (residues 39-766) Mutation: Ser39Thr</p> <p>EC no.: 3.4.14.5</p> <p>Polymer: 2 Molecule: SUGAR (2-MER)</p> <p>Polymer: 4 Molecule: SUGAR (2-MER)</p> <p>Polymer: 5 Molecule: SUGAR (2-MER)</p> |
| | Authors | Scapin, G., Biftu, T., Weber, A.E. |

✓ 2lv



Human dipeptidyl peptidase 4 in complex with a diazepam-2-one inhibitor

**Characteristics**

Release Date: 28-Nov-2006 Exp. Method:

Resolution: 2.15 Å

Classification

Hydrolase

**Compound**

Polymer: 1 Molecule: Dipeptidyl peptidase form Fragment: EXTRACELLULAR DO (residues 39-766) Mutation: Ser39Thr

EC no.: 3.4.14.5

Polymer: 2 Molecule: SUGAR (2-MER)

Authors

Scapin, G., Weber, A.E., Biffu, T.

✓ 1nu6



Crystal structure of human Dipeptidyl Peptidase IV (DPP-IV)

**Characteristics**

Release Date: 26-Aug-2003 Exp. Method:

Resolution: 2.10 Å

Classification

Hydrolase

**Compound**

Polymer: 1 Molecule: Dipeptidyl peptidase

Chains: A,B EC no.: 3.4.14.5

Authors

Hennig, M., Stihle, M., Thoma, R.

✓ 1nu8



Crystal structure of human dipeptidyl peptidase IV (DPP-IV) in complex with Diprotin A (IUI)

**Characteristics**

Release Date: 26-Aug-2003 Exp. Method:

Resolution: 2.50 Å

Classification

Hydrolase

**Compound**

Polymer: 1 Molecule: Dipeptidyl peptidase

Chains: A,B EC no.: 3.4.14.5

Polymer: 2 Molecule: 3-mer peptide

Chains: C, Thoma, R., Loeffler, B., Stihle, M., W., Ruf, A., Hennig, M.

Authors

✓ 1x70



HUMAN DIPEPTIDYL PEPTIDASE IV IN COMPLEX WITH A BETA AMINO ACID INHIBITOR

**Characteristics**

Release Date: 18-Jan-2005 Exp. Method:

Resolution: 2.10 Å

Classification

Hydrolase

**Compound**

Polymer: 1 Molecule: Dipeptidyl peptidase

Fragment: extracellular domain Mutation:

Chains: A,B EC no.: 3.4.14.5


Polymer: 2 Molecule: SUGAR (NAG-NA)

Polymer: 4 Molecule: SUGAR (2-MER)

Polymer: 5 Molecule: SUGAR (2-MER)

Authors

Kim, D., Wang, L., Beconi, M., Eier, G.J., Fisher, M.H., He, H., Hickey, C.B., Lyons, K.

 1 2 3 4 5 6 7  RCSB Protein Data Bank